

1

Abstract

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4 A piezoelectric actuator, e.g., for actuating a mechanical component, is
5 proposed in which, with a multilayer structure of piezoelectric plies (2) and
6 internal electrodes (3, 4, 5, 6) arranged between them, a lateral contacting of
7 internal electrodes (3, 4, 5, 6) with external electrodes (7, 8; 14) in alternate
8 directions is available. At specified intervals, one electrode layer of the internal
9 electrode (5, 6) that is contacted (9, 10) on one side is always extended
10 completely to the end of the other side, and the external electrode (7, 8) lying on
11 the other side in each case thereby bridges over this layer to prevent a short
12 circuit.

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14 (Figure 1)

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